



CO₂

INCUBATOR

Air Jacketed





Air Jacketed CO₂ Incubator LACI-400 Series

Labocon Air Jacketed CO₂ Incubator LACI-400 Series employs natural air convection method and gentle breeze circulation to ensure temperature uniformity in the chamber. It sterilizes the internal part with 90°C high temperature and high humidity. Automatic start function is provided.

FEATURES

- High Quality electrolyte polishing stainless surface
- Smooth fillet inner wall to reduce unnecessary internal surface area and effective cleaning of inner wall.
- 90°C high temperature moist heat sterilization can effectively remove bacteria, mildew, etc. Sterilization will not require removal of sensor and fan, which may eliminate the uncertainty during sterilization.
- Smooth transparent glass for observation of real objects.
- Four corners apply arc design reliable door closer design is favourable.
- The special HEPA high effective filter, with the filtering efficiency of 99.998% for granule with diameter larger than 0.3 μ m effectively filter bacteria and dust.
- Advanced fuzzy logistic PID control and menu operating interface.
- High precise gas sensor is applied, automatic start function is provided
- Special interface for PC test program is written, monitored and saved with special PC software; test data is directly displayed and printed.
- Applies circular airflow design concept and forced convection simulated air circulation principle to guarantee high even and stable CO₂ density of inner bag.

APPLICATION

Labocon Air Jacket CO₂ Incubator LACI-400 Series are widely used for research in life science, immunology, genetics, clinical medicine, agriculture science, pharmaceuticals, pharmaceutical industry, food industry, toxicology, basic biology and clinical medicine.



✓ **TECHNICAL SPECIFICATION:**

| Model No. | LACI-401 | LACI-402 | LACI-403 | LACI-404 |
|---------------------------|------------------------------------|-------------|------------------------------------|-------------|
| Capacity | 161 L | | 195 L | |
| Temperature Sensor | PT1000 | | | |
| Ambient Temperature | 20°C | | | |
| Temp. Range | RT +5 to 55°C | | | |
| Temp. Accuracy | 0.1°C | | | |
| Temp. Control Alarm | ≥ ±0.1°C (adjustable) | | | |
| Ambient Humidity | 50% RH | | | |
| HEPA Filter | None | | | |
| CO2 Sensor | TCD | IR | TCD | IR |
| Sterilization | 90°C high temperature and humidity | Ultraviolet | 90°C high temperature and humidity | Ultraviolet |
| Inner Dimension (WxDxH) | 480x480x700 mm | | 500x500x780 mm | |
| Overall Dimension (WxDxH) | 677x740x1056 mm | | 697x760x1236 mm | |
| Power Supply | 220V 50/60 Hz | | | |
| Catalog No. | 9341112472 | 9341113472 | 9341114472 | 9341115472 |



Labocon Scientific Limited
 18A Melton Road
 Leicester LE4 5EA UNITED KINGDOM